

Diagnostic Parasitology II: Bloodbone & Tissue Parasites



**HANDS -ON
LABORATORY
WORKSHOP**

APPLICATION & REGISTRATION

*** FREE REGISTRATION**

Application Deadline: April 20, 2015

- The preliminary application is to be completed online at <https://www.surveymonkey.com/r/2015Bloodbone>
- If you are unable to complete the application online, notify Karen Ching at 404-498-6403 or email kching@cdc.gov.
- Only completed application received by the deadline will be considered.
- Participants will be selected according to the applicants' job description, experience, and responsibilities.
- Notification of acceptance status will be sent via email by **April 24, 2015**.

FACULTY

Parasitic Diseases Branch, Division of Parasitic Diseases and Malaria, Center for Global Health, CDC, Atlanta, GA

- **Henry Bishop**, Microbiologist
- **Blaine Mathison, BS, M(ASCP)**, Microbiologist

QUESTIONS

Please contact Karen Ching at 404-498-6403 or email kching@cdc.gov.

P.A.C.E. ® Course #: 288-015-15
Florida #: 20-476741

Sponsored by the Division of Parasitic Diseases and Malaria, and the Laboratory Training Branch, Centers for Disease Control and Prevention

DESCRIPTION

Blood and tissue parasite infections remain an ongoing potential public health threat. The nation's blood supply is at risk as it has been documented that *Plasmodium* spp., *Babesia* spp., *Trypanosoma cruzi*, and *Leishmania* spp. can be acquired through contaminated blood products in addition to other well-known transmission modes. Conditions associated with human filariasis have a large impact on the physical health, economic well-being, and quality of life of infected persons. During this three and one-half day, hands-on workshop, faculty from the Centers for Disease Control and Prevention will instruct participants in how to detect and identify blood and tissue organisms. Lectures and hands-on laboratory exercises will target *Plasmodium* spp., *Babesia* spp., microfilariae, *Leishmania* spp., and *Trypanosoma* spp.

AUDIENCE

This intermediate-level, hands-on program is intended for laboratorians who work in public health or clinical microbiology laboratories, are proficient using a microscope, and have experience identifying blood and tissue parasites.

LOCATION

Centers for Disease Control and Prevention, Atlanta, GA

OBJECTIVES

At the conclusion of this program, participants will be able to:

- Explain how to prepare and stain thick and thin blood smears.
- Describe morphologic characteristics of *Plasmodium* spp., *Babesia* spp., microfilariae, *Leishmania* spp., and *Trypanosoma* spp.
- Detect and identify *Plasmodium* spp., *Babesia* spp., microfilariae, *Leishmania* spp., and *Trypanosoma* spp. in clinical specimens.
- Discuss diagnostic testing available for *Plasmodium* spp., *Babesia* spp., *Leishmania* spp., and *Trypanosoma* spp.

CONTINUING EDUCATION

The Centers for Disease Control and Prevention Laboratory Training Branch is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program. This course is approved for **17** contact hours.

This course has been approved for **23** contact hours in the category of Microbiology/Mycology/Parasitology for Florida Laboratory Licensees.



U.S. Department of
Health and Human Services
Centers for Disease
Control and Prevention



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AGENDA

Tuesday, Sept. 15

8:00 AM: Welcome and Course Overview
8:30 a.m. Safety
8:45 a.m. Pre-test
9:45 a.m. Break
10:00 a.m. Lecture: *Plasmodium* spp.
11:30 a.m. Lunch
12:30 p.m. Lecture: *Plasmodium* spp.
1:30 p.m. Lab: *Plasmodium* and Preparation of blood smears
3:15 p.m. Break
3:30 p.m. Lab: *Plasmodium* and Preparation of blood smears
4:15 p.m. Question and Answer
4:30 p.m. Adjourn

Wednesday, Sept. 16

8:30 a.m. Lecture: *Babesia*
9:15 a.m. Break
9:30 a.m. Lab: *Plasmodium* and *Babesia*:
11:30 a.m. Lunch
12:30 p.m. Lecture: Microfilariae
1:30 p.m. Lab: Organisms, To Date
2:30 p.m. Break
2:45 p.m. Lab: Organisms, To Date
4:15 p.m. Question and Answer
4:30 p.m. Adjourn

Thursday, Sept. 17

8:30 a.m. Lecture: Leishmaniasis and Trypanosomes
9:15 a.m. Break
9:30 a.m. Lab: Organisms, To Date
11:30 a.m. Lunch
12:30 p.m. Lecture: Telediagnosis
1:15 p.m. Lab: Organisms, to date
2:15 p.m. Break
2:30 p.m. Lab: Organisms to date
4:15 p.m. Question and Answer
4:30 p.m. Adjourn

Friday, Sept. 18

8:30 a.m. Lecture: Rapid Diagnostic Tests (RDTs) for malaria
9:30 a.m. Break
9:45 a.m. Lab: Review of all Organisms, RDTs
11:30 a.m. Lunch
12:30 p.m. Lecture: Review Q&A
12:45 p.m. Post-test
1:45 p.m. Break
2:00 p.m. Evaluation
2:30 p.m. Adjourn

SPECIAL NEEDS

In compliance with the Americans with Disabilities Act (ADA), individuals seeking special accommodations should submit their request in writing to rbandea@cdc.gov or phone 404-639-4554 at least three weeks before the program. Please allow sufficient time for CDC to make arrangements which is normally at least three weeks prior to the start date of course.



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SECURITY CLEARANCE REQUIREMENTS

NON-US CITIZENS — This course will be held at the training laboratory on the CDC Roybal campus. Due to CDC requirements for security clearance, all non-US citizens will be asked to provide information needed to obtain clearance. Detailed instructions will be provided upon acceptance into the course. Please do not make any nonrefundable travel plans until you have received confirmation of acceptance into the course and security clearance approval. The information you provide will only be used for the purposes of attending this course.

US CITIZENS - If you are a US citizen, there is no extra clearance process required.